

From ab4e1.com Wed Jun 22 10:02:19 1994
From: ryme@wpsmtp.bloomu.edu
Subject: -Reply

Hey Gang,

On the question of manuals, the harder to find copies could be scanned into digital format, saved to computer hard drives, and transferred either by Internet FTP or by floppy disks.

I volunteer my Heathkit manuals and our HP flatbed scanner as starters!

Any takers on this offer? Let me know. the e-mail address is:
ryme@husky.bloomu.edu

73,
John Rymell N3PFF

From ab4e1.com Wed Jun 22 15:52:18 1994
Subject: Re: AC/DC receivers -- safety do's and don'ts ???
From: R.G. Keen <keen@austin.ibm.com>

Kevin,

I'll just jump right in here where I probably don't know what I'm talking about.

To make an AC/DC piece of equipment safe:

1. Get a transformer between it and the line. Your isolator sounds ideal if it can be fit in the case. There is no other "safe" way to run it. Well, maybe batteries...
2. Hard wire the secondary of the isolator into the circuitry. Rewire the on/off switch to break the primary wiring, and rewire the fuse (it IS fused, isn't it?) into the primary line. Put the switch and fuse in the hot (line) side of the wire coming from the wall. If you break the neutral side of the line, the hot side remains hot and can still do ugly things to you if the fuse-blow shorted it to chassis.
3. Connect the three-wire line cord up with the third wire tied to the chassis ground. Since the connections to "ground" are kind of mickey mouse in these, you may have to dink around to make sure there are no funny wiring tricks. You may have to hunt around for a good place to tie the ground to chassis for hum reasons. Make the ground wire long enough that a pull on the line cord that rips a wire loose breaks the hot and neutral first, not the ground wire.
4. Ensure that every piece of metal you can touch is solidly grounded to the third wire at the line plug end with an ohmmeter. You may have to run new ground straps or wires to do this.

5. Clean up the grounding inside if it has problems.

R.G.

From ab4el.com Wed Jun 22 01:21:50 1994

From: Fire Bottle archive handler <firebotl@jackatak.raider.net>

Subject: All this quoting...could we *please* edit??

If I may, a brief request:

Several folks have written me about the growing number of posts which seem to quote an entire article adding only a single one-line comment. Many folks pay for their email "by the pound" and some have daily limits, so a carelessly edited post may block receipt of something the person really wants...or *needs*.

So, to be considerate of others on the list, (and, grinding my own axe, to save some space in the archive) would you please try to edit down the amount of quoted text that you send along with a message. The extra effort will be appreciated by *all* on the list and will keep the signal (your comment) noticeable above the noise (the unnecessary quoted material)... thanks and this is NOT meant as a flame or slam or put down, just a request on behalf of several list members...

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)

firebotl@jackatak.raider.net

Where Old Radios and Fun ... GO TOGETHER!

+-----human interface: root@jackatak.raider.net -----+

From ab4el.com Wed Jun 22 15:50:53 1994

From: "James C Reid" <0093373@CCMAIL.EMIS.hac.com>

Subject: BA's on the big/little screen

I've noticed in quite a few of the postings(especially from Tom, K9TA) how many boatanchors have appeared in the movies and television. My knowledge of WWII radio equipment is fairly limited, so I don't recognize much of that equipment, but there's been a couple times that I have seen some familiar things, two in particular:

1) The Munsters. I believe it was the episode where Herman is taken aboard a Russian fishing boat. The CIA/FBI is trying to figure out what's going on and in background of their office is at least two beautiful 6' Motorola base cabinets. Hard to believe they were surplus since that was the current issue during the 60's. I think one had the top cut off and replaced by a reel-to-reel tape deck.

2) Magnum PI Don't recall the episode, but Magnum is being coached from the control tower how to land an airplane. The radio that the tower is using isn't even a radio at all. It's an old HP o'scope with the 5" round CRT removed and replaced with grill cloth. Clever people, these movie makers.

Tom had a quite a list of radios, etc. What have other people seen?

-Jim

From ab4e1.com Wed Jun 22 15:53:33 1994
From: "Lee K. Gleason" <gleason@MWK.COM>
Subject: BAs in movies

> I've noticed in quite a few of the postings(especially from Tom, K9TA)
> how many boatanchors have appeared in the movies and television. My

I was watching "The Falcon and The Snowman", the movie about the rich kid who sold out a bunch of TRW satellite secrets to the Reds, because he was misunderstood, and noticed some BAs.

In a couple of scenes inside the TRW code room, you can see some Collins receivers in a rack against the wall...I couldn't tell which kind...

Lee K. Gleason N5ZMR
Control-G Consultants
gleason@mwk.com

From ab4e1.com Wed Jun 22 14:58:03 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: BC-611; That's All, Folks

to: boatanchors@gnu.ai.mit.edu

Hello.

My, That was quick!

The four BC-611 manual requesters that made it thru the system fastest were;

Jim Kearman
Rick Ferranti

Clark Fishman
Jim Dillon

In that order.

I have a mailing ADR for Clark; everyone else PSE QTH?

73's,

Mr. T. K9TA

From ab4el.com Thu Jun 23 10:10:13 1994
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)
Subject: Big Boatanchor Bash in Central GA..

BIG BOATANCHOR BASH!!!
CENTRAL GEORGIA NATIONAL HAMFEST
PERRY, GEORGIA
August 6, 1994
0800-1500

Now is the time to begin planning to attend the Central Georgia National Hamfest at Perry, GA, on August 6, 1994. The hamfest will be held at the Georgia National Fairgrounds, right off I-75, exit 42.

Activities include:

** The Boatanchor Forum, conducted by Jim Kearman, KR1S. As far as I know this is the first hamfest forum devoted to boatanchors. It took a little talking to get the hamfest committee to put up the money for Jim's trip. Come on down and help me convince them that they made a good investment.

** A Repeater Forum. (Repeaters are very useful to discuss boatanchors.)

** How to become a Ham Forum. (Boatanchors are much more fun, if you are a ham!)

VEC testing will be conducted. Walkins accepted. (Upgrade now so that you can put a boatanchor on every band!)

Dealer spaces are available inside. If you insist on having such amenities as a table, chair, and air conditioning then this is the place for you.

A large Bone Yard space, right outside the main building, is available for FREE! That's where you will find me along with a pickup truck full of stuff. (Don't have to carry those heavy radios quite so far!) Bring all of your excess boatanchors and let's see how many can find new homes!

Refreshments available at the hamfest. (What's a hamfest without hot dogs?)

Lodging is available in the immediate vicinity of the hamfest.

Talk in: 146.25/85

If you would like more information, please contact

Larry Keith, KQ4BY
231 Shenandoah Trail
Warner Robins, GA 31088-6289
912-329-0030 (no calls after 10PM, EST, please!)

lakeith@wrdis01.robins.af.mil

Hope to see you there!

73,

Larry, KQ4BY

From ab4el.com Wed Jun 22 18:10:16 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Boatanchor Safety Question

Hi Guys,

I am still waiting patiently for my R390A to arrive from Fair Radio Sales. I ordered it in the "checked" version.

Should I assume that I won't be electrocuted when I turn this thing on for the first time? How "checked" is "checked"? (I've been reading references on this list to problems with stuff shorted to the chassis and other things.) Do you think Fair Radio makes sure such a situation is not the case in their "checked" versions?

Am I being paranoid, or should I check it over with a voltmeter before touching it? I'm very new to electronics, so forgive my ignorance. If the answer is yes to the voltmeter, then exactly what type of voltmeter should I

use, and what would the procedure be, what are normal values, etc. Should any current show up on a chassis for instance?

Thanks in advance, and thanks for all your great replies so far.

Menachem

Remember! Lift with the knees squatting, back straight, the arms and load in front and close in to the gut.

From ab4el.com Wed Jun 22 20:46:52 1994

From: "Kenan, Larry" <larryk@frick.sandiegoca.NCR.COM>

Subject: Re: Boatanchor Safety Question

>Am I being paranoid, or should I check it over with a voltmeter before
>touching it? I'm very new to electronics, so forgive my ignorance. If the
>answer is yes to the voltmeter, then exactly what type of voltmeter should
>I use, and what would the procedure be, what are normal values, etc.
>Should any current show up on a chassis for instance?

>Menachem

Geeees - Am I sorry I started the variac thread!

Howsomeever - I always apply the power to a new unknown radio using a variac and an AC ammeter, cranking the voltage up slowly and watching for abnormal current drain, arcing, smoke etc.

I don't get too paranoid about slight leakage to the chassis with transformer powered radios. I check that by plugging the radio into one of those bathroom type leakage to ground sensor outlets and if it pops the breaker the problem is usually the capacitors connected between the 120VAC power and the chassis that are at fault.

Larry Kenan - KD6CKR

From ab4el.com Wed Jun 22 21:33:58 1994

From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>

Subject: Re: Boatanchor Safety Question

On Wed, 22 Jun 94 17:11:06 pst,

Kenan, Larry <larryk@frick.sandiegoca.NCR.COM> wrote:

... I always apply the power to a new unknown radio using a variac and
>an AC ammeter, cranking the voltage up slowly and watching for abnormal current
>drain, arcing, smoke etc.

Larry,

Menachem may not have a variac or an ammeter.

The radio he's waiting for is an R-390A, "checked" by the folks at Fair
Radio. The R-390A has a line fuse (fuses ?) and a B+ fuse. The
substantial line filter might be suspect, but there shouldn't be much worry
if the line cord on it is a three-wire one, and he uses a grounded outlet.

Your advice is super, and especially your use of the ground fault
detector for ac/dc sets, and for many other old sets which have those
now-outlawed bypass caps from line to chassis.

I'm inspired to install one at my bench. (I'm too near retirement to miss
out on it!)

Now, what am I going to do with this funny-looking power connector on the
back of my new R-390?

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4el.com Thu Jun 23 07:04:18 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Re: Boatanchor Safety Question

>On Wed, 22 Jun 94 17:11:06 pst,
>Kenan, Larry <larryk@frick.sandiegoca.NCR.COM> wrote:
>
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>>an AC ammeter, cranking the voltage up slowly and watching for abnormal
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>Radio. The R-390A has a line fuse (fuses ?) and a B+ fuse. The
>substantial line filter might be suspect, but there shouldn't be much worry
>if the line cord on it is a three-wire one, and he uses a grounded outlet.

Roy,

You are right, I don't have a variac, nor an ammeter. (should I get one?)

Practically speaking, and considering I'm kind of new to this, can I trust Fair Radio not to electrocute me? I mean, is this one of the things they are checking for when they say it is "checked"? Does anyone on this net have much experience with Fair's "checking" record? A 10 day money back guarantee isn't worth much if one is incinerated, and you're found stiff with your hand still on the power switch.

BTW, if it comes with a 2 prong cord, how do I make the line cord a 3 pronger? (And does a grounded line cord prevent electrocution?)

From ab4el.com Thu Jun 23 11:32:11 1994
From: Nick England <nick@cs.unc.edu>
Subject: Re: Boatanchor Safety Question

Following up on an experience I related a month or so ago, let me strongly suggest -----

ALWAYS CHECK THE AC LINE TO GROUND RESISTANCE WITH A VOM BEFORE POWERING UP A BOATANCHOR ACQUISITION !!

I had one with a shorted bypass cap that put 115 vac on the chassis and almost on me.

Nick KD4CPL

From ab4el.com Thu Jun 23 12:03:42 1994
From: mallick@ausable.crd.ge.com (John Mallick)
Subject: Re: Boatanchor Safety Question

Date: Thu, 23 Jun 94 10:59:41 -0400
From: Nick England <nick@cs.unc.edu>

Following up on an experience I related a month or so ago, let me strongly suggest -----

ALWAYS CHECK THE AC LINE TO GROUND RESISTANCE WITH A VOM BEFORE POWERING UP A BOATANCHOR ACQUISITION !!

I had one with a shorted bypass cap that put 115 vac on the chassis and

almost on me.

Nick KD4CPL

What's the current thinking on all this? Do we just cut out the bypass capacitors across the line, or should they be replaced with those line-rated bypasses? EF Johnson stuff is just peppered with those 0.01 discs across the line. I suppose they do keep the RF out of the AC line, but are they really necessary?

John WA1HNL

From ab4el.com Thu Jun 23 13:01:38 1994

From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)

Subject: Re: Boatanchor Safety Question

In your message of 23 Jun 1994 at 1138 EDT, you write:

> What's the current thinking on all this? Do we just cut out the
> bypass capacitors across the line, or should they be replaced with
> those line-rated bypasses? EF Johnson stuff is just peppered with
> those 0.01 discs across the line. I suppose they do keep the RF out
> of the AC line, but are they really necessary?

Toss the bypass caps, put in a 3 wire line cord (make sure it's wired right) and keep going. If you want to suppress RF on the power line, get one of those snap-on ferrite split beads. Quick, simple and cheap!

Avoid the boatanchor tingle! It ain't contagious, but it's deadly!!

73,

Larry, KQ4BY

From ab4el.com Thu Jun 23 14:08:22 1994

From: Nick England <nick@cs.unc.edu>

Subject: Re: Boatanchor Safety Question

Following up on an experience I related a month or so ago, let me strongly suggest -----

ALWAYS CHECK THE AC LINE TO GROUND RESISTANCE WITH A VOM BEFORE POWERING UP A BOATANCHOR ACQUISITION !!

I had one with a shorted bypass cap that put 115 vac on the chassis and almost on me.

Nick KD4CPL

From ab4el.com Thu Jun 23 14:25:32 1994
From: bill@rosevax.rosemount.com (William Hawkins)
Subject: Re: Boatanchor Safety Question

By all means, if you have the tools and the skills, change the power cord to a 3 wire cord (assuming you have 3 wire outlets).

But if what you can do is limited, go to a hardware store and ask for a waterpipe ground clamp and enough #14 wire (green, if possible) to get from a cold water pipe to the set. Metal pipe, of course. Or, if you _know_ your electrical outlets have a ground connection to the metal frame, you can use that instead of a water pipe. These seem like the same skills you would need to install an antenna.

The older sets with line filters or bypass caps were _designed_ to be grounded if they had exposed metal. Three wire cords and grounded outlets came later.

Actually, I don't know if Fair ships R-390's with any power cord to go in the four pin connector on the back. The one original power cord that I have is two wire.

Bill (whose opinion differs from Jim Kearman's on this subject)

From ab4el.com Thu Jun 23 14:45:41 1994
From: "James H. Haynes" <haynes@cats.ucsc.edu>
Subject: Re: Boatanchor Safety Question

Which reminds me - I plugged a Kleinschmidt teleprinter into a power socket with a GFI and it tripped right away. So I looked at the schematic. The line filter has something like 0.2uf capacitors from each side of the line to the case!

Which reminds me - an outlet with a GFI is probably a good thing to have around boatanchors too.

From ab4el.com Thu Jun 23 14:57:10 1994
From: dennis@irissun2.fp.trw.com (Dennis Gibbs)
Subject: Re: Boatanchor Safety Question

>Which reminds me - I plugged a Kleinschmidt teleprinter into a power socket
>with a GFI and it tripped right away. So I looked at the schematic. The
>line filter has something like 0.2uf capacitors from each side of the line
>to the case!

>

>Which reminds me - an outlet with a GFI is probably a good thing to have
>around boatanchors too.

I have this same problem with both my R390As - They both trip the GFCI instantly. None of my other boatanchors do this. Bill Hawkins has looked into this and he and I both believe it has something to do with the line filters on the R390A. Does anyone else have problems with their R390A and GFCI's? If not, is your line filter removed?

Dennis

From ab4e1.com Thu Jun 23 15:02:53 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Re: Boatanchor Safety Question

> Date: Thu, 23 Jun 94 10:59:41 -0400
> From: Nick England <nick@cs.unc.edu>
>
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> A BOATANCHOR ACQUISITION !!
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> I had one with a shorted bypass cap that put 115 vac on the chassis and
> almost on me.
>
> Nick KD4CPL
>

Could you run a beginner like me step by step through this procedure and the equipment used? Thanks.

Menachem

From ab4e1.com Thu Jun 23 15:10:58 1994
From: mallick@ausable.crd.ge.com (John Mallick)
Subject: Re: Boatanchor Safety Question

Date: Thu, 23 Jun 1994 11:13:22 -0700 (PDT)
From: "James H. Haynes" <haynes@cats.ucsc.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Which reminds me - I plugged a Kleinschmidt teleprinter into a power socket with a GFI and it tripped right away. So I looked at the schematic. The

line filter has something like 0.2uf capacitors from each side of the line to the case!

Which reminds me - an outlet with a GFI is probably a good thing to have around boatanchors too.

That's why I asked the question about "what do about line-bypasses?" My shack is in the basement (nice, damp concrete floor), and everything has a 3 wire cord on it (plus a nice hefty earth ground), but I do want to GFCI protect the outlets. With all those bypasses, I was thinking that the GFCI would be tripping all the time.

John

From ab4el.com Thu Jun 23 15:18:15 1994
From: bill@rosevax.rosemount.com (William Hawkins)
Subject: Re: Boatanchor Safety Question

This is exactly the discussion I had with Kearman a while ago. A GFI is not a good thing to use with a BA. A good ground is essential. I don't consider a GFI to be safer than a good ground - that's why they have a TEST button. Of course, you have to check grounds for corrosion. It's been my experience that reliability is inversely proportional to the number of parts, so it's hard to beat a good ground with adequate current carrying capacity to trip/blow the power line protection device when something does fail.

Bill

From ab4el.com Thu Jun 23 16:02:31 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Re: Boatanchor Safety Question

>Bill Hawkins has looked
>into this and he and I both believe it has something to do with the line
>filters on the R390A. Does anyone else have problems with their R390A and
>GFCI's? If not, is your line filter removed?

Bill and I got into this once before. For the benefit of you new readers, my advice is to remove the line filters and any capacitors from the line to the chassis. You don't need them on a receiver. The 390 was designed to be used in bays with dozens of other receivers, so they didn't want RF on the power lines. Line filters do cause leakage to the chassis and can be DEADLY. I emphatically do not think we should be talking about calculated risks here. There is absolutely no reason to imperil your life merely to listen to an R-390. Only a fool trusts a ground wire or a GFCI. Use them, certainly, but don't trust your life to them.

Jim Kearman, KR1S
 Assistant Technical Editor, ARRL etc etc

From ab4el.com Thu Jun 23 15:26:09 1994
 From: mallick@ausable.crd.ge.com (John Mallick)
 Subject: Re: Boatanchor Safety Question Date: Thu, 23 Jun 94 14:35:00 EDT
 From: "Menachem Galatz DC" <mgalatz@panix.com> X-Mailer: VersaTerm Link v1.1.3

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> Date: Thu, 23 Jun 94 10:59:41 -0400
> From: Nick England <nick@cs.unc.edu>
>
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> I had one with a shorted bypass cap that put 115 vac on the chassis and
> almost on me.
>
> Nick KD4CPL
>
```

Could you run a beginner like me step by step through this procedure and the equipment used? Thanks.

Menachem

Do you have a VOM (volt-ohm meter) or a digital multimeter capable of measuring resistance? If so, set it up to measure resistance (highest scale) and connect one probe to the chassis (or any exposed metal) and touch the other probe to each prong of the AC plug in turn. Make sure the radio itself is unplugged!! You should also turn the power switch to the radio ON. The resistance between the prongs of the plug and the chassis should be infinity (no reading). If not, you have some leakage between the AC line and the chassis, which is not good. If the radio has a 3 prong plug, one of the prongs (the round one) should be connected solidly to the chassis.

Note that this test will not show ground leakage due to AC line bypass capacitors which break down under applied voltage (the multimeter doesn't have enough ummph to do that). There you'll need an ammeter for the AC line and a variac to bring up the voltage slowly.

John WA1HNL

From ab4el.com Tue Jun 21 20:57:05 1994

From: cotton@thumper.bellcore.com (Chase Cotton)

Subject: Re: Boy's first book of Electronics

My oldest and possibly still my most favorite radio books (well at least the first book), (i.e. radio books I've *owned* the longest)

- 1) "The Boy's First Book of Radio and Electronics", (green)
by Alfred Morgan, illustrated by Alfred Morgan and Walt Reed,
Charles Scribner's Sons, New York, original copyright 1954,
my ninth edition copy, 1962, 230p, given to me in grade school,

- still a very good non-technical introduction to the radio arts (for a beginner or child).
- great fine-line drawings
- construction chapters:

- 7 - crystal detector holder
- 8 - simple, practical radio receivers and how to build them
- 9 - how to build a one-tube regenerative receiver (1 x 6BF6)
- 10 - you can build an amplifier (1 or 2 x 6BF6)

I always wanted to build the crystal sets in the books exactly as shown (varnished wood blocks, etc.), but always ended up using something expedient.

- 2) "The Boy's Second Book of Radio and Electronics", (red)
by Alfred Morgan, illustrated by Alfred Morgan,
Charles Scribner's Sons, New York, original copyright 1957,
my sixth edition copy, 1963, 276p, given to me in grade school,

- forward by Brig. General David Sarnoff with a little cold war hysteria about guided missiles (I just noticed this!).
- construction chapters:

- 2 - building your first radio receiver (1N34)
- 3 - how to build a more selective crystal receiver
and other: amps, phototube relay (CE23C), geiger counter (CK1026),
two-stage audio amp (35Z5, 50L6, 12SQ7), record player, and
endings with
- 12 - how to build and operate a miniature home broadcasting station
(6F7, 25Z5),

From ab4el.com Wed Jun 22 09:46:01 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: RE: Boy's first book of Electronics

>From: KANAMAA%AMGATE%MATRXA
>To: boatanchors
>Subject: Boy's first book of Electronics
>Date: Tuesday, June 21, 1994 5:52PM

> I never could find a CK172 (?).

This is really VSS stuff, but I think Mike means the CK722.

73

Jim

From ab4el.com Wed Jun 22 01:17:38 1994
From: ki5sl@ki5sl.ampr.org
Subject: Re: Boys First Book of Radio

Well, you might as well put me down on the list, too!
Once upon a time I had all three, the first (green cover),
the second (red cover) and the third (yellow cover) and somewhere
inbetween then and now they were lost....I spent many hours reading them,
starting in the 7th grade back in 1963.

Wish I still had them!

73 from Texas
Rick Blank
ki5sl@sat.ampr.org
44.76.2.148
2223 Blanco Road
San Antonio, Texas 78212

From ab4el.com Wed Jun 22 19:36:28 1994
From: Steve Schwarm <schwarm@spectre.mitre.org>
Subject: Re: Boys First Book of Radio

Add me to the list. I remember reading them by flash light when I
was suppose to be sleeping. I remember saving money to by varnish so
I could make the nice boards.

I one time got into real trouble when I left my dad's simson (260) in

ohms and the leads were touching. The battery leaked all over the meter. I couldn't use it for months after my dad cleaned it up.

Stephen(Steve) Schwarm
Principal
The MITRE Corp.
202 Burlington Rd MS B155
Bedford, MA 01730
(617)271-4600
FAX: (617)271-4686
Schwarm@mitre.org
Packet: W3EVE @ K1UGM.#EMA.MA.USA.NA

From ab4el.com Wed Jun 22 12:09:42 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: Re: Coil Abuse

Hi Tom, Rick, fellow RASers-
The coil I was contemplating operating on is an F for 175kc IF. I already have a complete RAS-5 coil rack so this is a duplicate. I'm waiting for a junker before proceeding at all though.
Tom should keep in touch- I have a couple of OFs in New England rummaging through their boat house in search of a cache of HROish coil sets. This is a long running epic saga, however. Anything involving National coils- SW/FBX?HRO-requires patience, networking, and a spreadsheet to keep track of the horsetrading involved. But I finally got an E and an -almost- F for my HRO-5.
A friend just sold HRO-50 E and F for \$50 each with an option on buying a Palco roadanchor and pick of a retriever litter. There may have been some pork belly futures involved also.
Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4el.com Wed Jun 22 15:01:14 1994
From: "Bob Scott" <bob_scott@cpqm.saic.com>
Subject: Re: CQ

RE>CQ

Dear Ham Radio Operator (N3PFF),

I am a short wave listener on the Internet band and overheard your QSO to N6KR. I would very much appreciate it if you could send me a QSL card as confirmation. If you require further information, I will be glad to send you a copy of your transmission in a separate enclosure.
I am now studying and saving up my money so that I can be licensed to Ham on

the Internet. I am presently looking for an Altair computer with cassette drive as a boatanchor rig. Good luck with your hobby and I hope to work you real soon. Bob

From ab4el.com Wed Jun 22 15:51:36 1994
From: okas_rp%ncsd.dnet@gte.com
Subject: CQ FF?

Hello All,

Here's one from the "too much time on my hands" department. Actually, I've been incredibly busy but decided to take note of nature for a change...

Whilst walking the family pet for the past few nights, I noticed the fireflies in my locale signalling S's and H's. That is, most would flash "...." and some would flash "...". I understand the nature and purpose of the signalling (Something about the female fireflies taking a shine to the 'swing' of certain males ;-)).

It was interesting to observe this since in my boyhood town, some 35 miles distant, I distinctly recall the fireflies sending T's. I was wondering if others on the 'net poke their heads out at nite and observe such phenomena?

73,
Bob - N3MBY

From ab4el.com Thu Jun 23 07:07:36 1994
From: Harris Boldt Edelman <hbe@red-eft.la.ca.us>
Subject: Re: CQ FF?

Here in West Los Angeles, the dogs exchange "GGZ?" and "GGZ" ("Are you a dog? I am a dog").

There's a flock of wild parrots that passes over my neighborhood twice each day during the Summer months. In previous years, when I'd yell, "hello," they'd reply with a chorus of "hello." This year, they've begun calling "hello" spontaneously when around my house.

One day, I decided to yell, "dit." Their chattering coalesced into well-formed V's.

NV6H can confirm that I'm not making this up.

-H. KB6OWB <hbe@red-eft.la.ca.us>

From ab4el.com Thu Jun 23 08:33:13 1994
From: JosephWP@aol.com
Subject: CQ Mags wanted

I need help.

Am looking for the following CQ Magazine years:

1971 - 1976

If anyone can help, let me know.

Joseph +

From ab4el.com Wed Jun 22 13:48:01 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: Cramolin info soon

Hi Fellow Degruners-

Our hosts message router (MR. Talk as he is anthropomorphically designated) has been out to lunch for the past five days. And I think he is powered from Auroral flares Senator Stevens has harnessed with a pork grant. Alaska is as always four hours and several years behind the Real World. I am trying to catch up. So, more info on Cramolin pricing (not good news) soon.

QTH: the breakdown lane of the info Superhighway w/ 4 flats, no spare, on empty, no can. And the autopatch on the repeater is down.

Thank you for your support...Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4el.com Thu Jun 23 14:11:46 1994
From: rdkeys@csemail (R. D. Keys)
Subject: CW procedures and CWIST Friday Night Fist Function (Field Day???)

>

> Bob,

>

> You'll likely know the correct way to do this -- how do I
> break into an existing CW QSO to make it a three-way?

Thank you for considering my humble opinion. I am honored.

>
> I ask in case I get on one the Friday Night CWIST events,
> and say happen to hear clearly you and Larry Keith. (I'm
> thinking ahead, for instance, to this weekend, where our
> club, W0BXR will start setting up on Friday afternoon, with
> hopes of having the 80m station at least going by the
> evening. I'm planning to bring my straight key along just
> in case I'm still up at that time.)

Great! I will try to have mine on, too. Our club is setting up on Friday afternoon starting at 1800UTC so there is a very good chance I will have something set up for the Friday Night Fist Function if all goes well, and things go as planned... I am debating whether or not to run a modern rig, an ARC-5, or a BC-375/BC-348, just for the fun of it on Friday night. My Marine Shipboard Rig is just too big to lug out there.....(:+{f{.....

>
> Do I use BK (which I've heard people use as in "back to
> you"; or does this mean Break, as the ARRL abbrev. indicate?)
> or BRK during a pause in your QSO? Or do I send my call
> sign, KB9IUA? Or do I send QRZ ?

There are many different ways to break into a station. There is not a single EXACTLY CORRECT procedure that is universally accepted. The ones I prefer to use are the following, which come from commercial service practice (you know, the boys that run CW for a living):

1. Send the traditional ``here is'' DE prosign just at the end of a round, but before the next in sequence operator changes over to transmit. If the operator is QSK and is worth his salt, even one DIT should get his attention..... but, alas, hams are not usually so sharp eared. The BK prosign is also appropriate, but my preference is for the DE prosign, since it is saying that ``hey, I am here too'' rather than ``I need to break in for some important reason''.
2. If on the first round it did not get the attention, then, at the end of the next round, but before the changeover occurred, I would send a long dash of about 4 seconds followed by the DE prosign.
3. If on the second round it did not get the attention, then, at the end of the next round, but before the changeover occurred, I would send a long dash of about 4 seconds followed by the DE prosign, followed by my call.

Among the operators that I work, usually a single dit or the DE prosign sent once works just fine. If the operators are not among the well experienced crowd, it usually takes the second or third round to get their

attention.

What you send as the interruption signal (DE or BK or whatever), the other operator who would have been next in sequence, would mirror the signal you sent and send the interrogatory to inquire as to who was there or what was up, at which point I would send the signature to let them know who I was as..... DE NA4G K. That would let them know that I was aboard and listening. Most of the time they will either give you the soapbox or acknowledge that you are there by sending something like R NA4G DE XXXX FB OM U FOLLOW W1ABC, and then he would send the header as W1ABC IM NA4G DE XXXX and continue on with the round. Your turn would then come after W1ABC. Note that the IM signal (also sent as AA) merely is a separatory sign to separate the different calls in the string of listed calls aboard the roundtable. Some folks use a slant bar to separate the list or calls aboard, but that is technically incorrect, but often done.

That is the procedure I follow, as often as I remember it and keep my wits about me. Sometimes we fail, for sure, but usually the above procedure works without fail.

>

> I would do one of these only if the QS0 members are signing
> K, and not KN, of course.

The presence of a K or KN is usually irrelevant. Most operators that I have worked are not so narrow minded that they would send KN ad nauseum. Sometimes, KN is appropriate, but usually it is not warranted and is a backwater practice most of the time by folks that should know better. Most operators are only too happy to have others join in on the QS0, unless traffic is being passed, then, traffic always has priority over routine chitchat. Sometimes folks want to restrict the conversation to just themselves and KN would then be appropriate, but that is not too often, in my experience.

My recommendation is to NEVER use KN unless you really really really really DO mean to exclude all other hams from joining your QS0. That is usually bad practice, and in my experiences rarely warranted. Why so many folks are so bent on sending KN, I don't know, but my experiences tell me that it is not necessary, and my intuition tells me that such folks have not quite learned the correct ropes, yet.

If I ever send KN on the CWIST Friday Night Fist Functions, kindly pull my plug and kick my derierrierrierrierrierrierr..... squarely.

>

> Still Novice (both in license class and learning status, and
> proud of both).... 73 de Kevin, KB9IUA

> * * * * *
> Kevin L. Anderson, Geography Dept., Augustana College
> Rock Island, Illinois 61201 USA phone: (309) 794-7325
> e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
> * * * * *
>

Nothing in the world wrong with being a novice, in any way. Heck, I am the world's longest run novice, in my estimation.....I took over 7 years to get the higher than novice licenses..... EEEK, I was king nerd for sure, on that one, but....we all have to start at the bottom of the totem pole, and we all will work our way up that pole.

Hang in there, for sure, and listen, listen, listen, and listen not to the novices but to the OT's who have been around the world a time or two..... they will be able to teach you the ropes and elmer you along, if they are worth their salt. Quite often, the practices on the novice bands are ``not quite settled nor learned, just yet''. But, as they learn and listen around, and progress up the pole, it begins to fall into place, most of the time.

I guess this is the offical CWIST Friday Night Fist Function call to arms.

See you 0400UTC Saturday morning (Friday Night).

73 TU SU SK DE NA4G

Bob

From ab4el.com Wed Jun 22 15:00:27 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Don Merz

Anyone have phone numbers for Don? Email is bouncing.

Thanks and 73,

Jim, KR1S

jkearman@arrl.org

From ab4el.com Wed Jun 22 15:31:45 1994
From: "Kearman, Jim" <jkearman@arrl.org>

Subject: Don Merz

They're dropping like flies....

Don's on vacation I guess. I tried his work phone number and left a message on his voice mail.

73

Jim

From ab4e1.com Wed Jun 22 16:29:34 1994
From: Mark Shelhamer <ms@space.mit.edu>
Subject: Don Merz

I spoke to Don over the weekend. He is extremely busy with work, involving much travel over the next 2 weeks. He doesn't plan on touching any of the radio stuff until around July 3 or 4.

> Don's on vacation I guess. I tried his work phone number and left a message on his voice mail.

Mark

From ab4e1.com Wed Jun 22 07:01:53 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Drake 2-B

ul> From: Richard E Robinson <ulowell!uncc.edu!rerobins>

ul> Yeah Andy,
ul> Ever since I traded my 2C back in '73, I swore I'd never let another
ul> one go. I got my 2B about 7 years ago for \$70 with the 2BQ. It was
ul> dusty and dirty and hummed badly. A little polishing compound, Windex,
ul> and 2 filter caps, made it into a real gem. It was nearly flawless;
ul> no scratches, with very paint missing at the corners.

Like I said before....a Sanford Sharpie black marker hides small scratches and wear around the edges rather well! My 2-B (bought this year) was also dingy. Underneath the nicotine was a pretty radio. The chassis is oxidized but that doesn't bother me....the Q-multiplier hums. I tried the 2-AQ I had and it hums, too, but not as much, so the problem seems to be in the receiver somehow. Maybe there's a shielding problem

inside. By the way, Testors silver paint is a dead ringer for the 2-series knob pointers!

ul> You're right about the AM and the wide filter position. I have some
ul> SWBC xtals but the filter is too wide for serious work.

I meant the opposite: the 3.6 is too NARROW for my general SWBC listening tastes. I prefer the 4.8 filter in the R-4A for that, and its 2.4 filter for AM-mode DX work. The 2-B's 3.6 sounds too muffled to me, even cranking the passband tuning off the carrier. But the 2-B is dandy for CW and SSB.

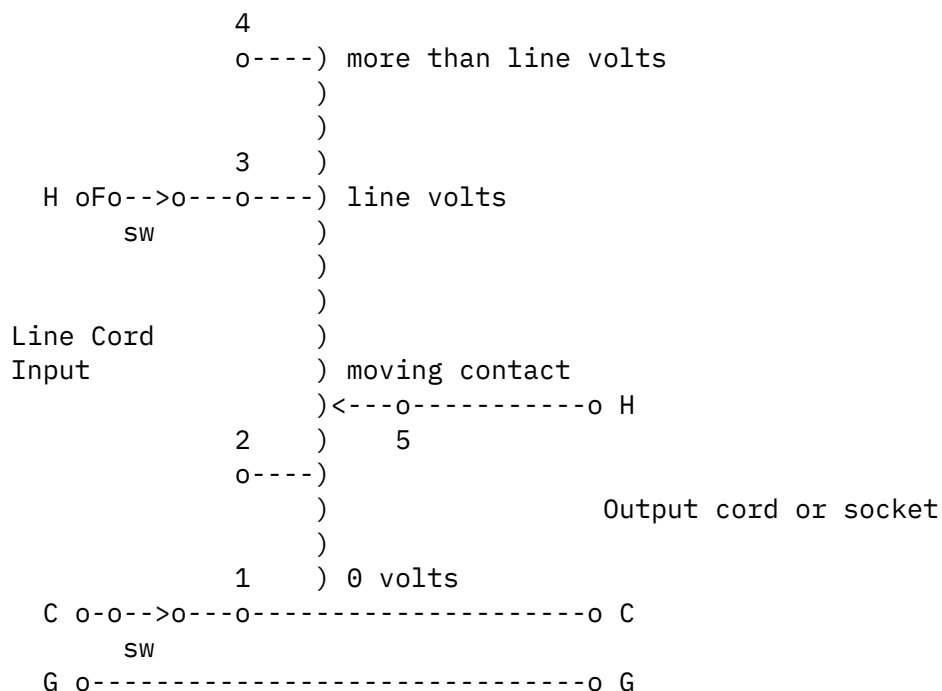
Maybe someday I'll get to try a 1-A!

--Andy

... Real radios have dial lights that shine on the radio room walls!

From ab4el.com Thu Jun 23 14:28:40 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: FAQ: VARIACs

About variacs:



F: a fuse if there is one

sw: usually a dpst switch which breaks both sides of the line

1-4 variac input terminals

5 the output terminal connected to the wiper
G Ground wire in a 3-wire cord (green) or socket (ground terminal)
C Common wire in the cord (white) and outlet (wide flat slot)
H Hot wire of cord (black) and outlet (narrow flat slot)

The word "Variac" was a registered trademark of the General Radio Company of Concord, Massachusetts, but the company's gone, and the name has become a generic term applied to all similar devices. GR made the best, IMHO.

The thing is an autotransformer. With the connection shown, the line is connected from terminal 1 to 3. Placing the wiper at the position of terminal 3 will give an output equal to the line voltage. Moving it more towards terminal 4 gives MORE than line voltage. Moving it toward terminal 1 will give voltage proportional to it's position, and zero when it is all the way down.

THERE IS NO ISOLATION. THE CORD AND OUTLET REALLY SHOULD BE THREE-WIRE.

The switch should be a two-pole switch connected in both sides of the line, and never in the ground lead. There should be a fuse rated equal to or a bit higher than the transformer itself. Having another fuse in the output is good because the primary current will be low even if the output is delivering a high current a low voltage settings. Most variacs can withstand 25% or 50% current overload briefly with no damage.

The thing can be wired with it's input hot wire on terminal 4 in the diagram above. Then you will get up to the line input voltage and no more. (I have one variac wired for use either way with a center off power switch. It's clearly marked!)

Some variacs have a pilot lamp wired from terminal 1 to 2. Variacs with dial markings designed for a 115 volt line will give higher than marked outputs nowadays. You can move the terminal 3 to a place higher on the winding to correct this error. You measure your typical line voltage (122 at my house), set the unplugged variac so the dial reads that value, and note which winding the movable wiper is on. Then lift that winding (carefully so as to not damage other windings), slip insulating material under it, scrape the coating off carefully, and attach the new lead there. Even though a variac is a heavy thing, this is a delicate operation, especially on smaller units.

Higher than designed line voltages may make the pilot lamp burn out sooner than usual. A small resistor (or moving the tap closer to terminal 1) will fix this.

A variac which was on a panel had it's knob on the opposite end of the shaft compared to some case mountings. It would have been wired upside down to the diagram above. Some dials have reversed scales on either

surface, especially older ones where the dial may have been attached to the knob itself, and could be removed and attached to the panel behind the knob.

Be sure not to wire the line cord to terminals 1 and 2 or to terminals 4 and 3. The thing will blow the fuse or smoke, or both.

Finally, there's nothing like a variac.

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4el.com Wed Jun 22 07:27:22 1994
From: "Bob Scott" <bob_scott@cpqm.saic.com>
Subject: First li'l anchor

First li'l anchor

Well my first anchor was a KnightKit Oceanhopper which I believe is somewhat related to the SpanMaster. My best friend at the time (age 14) got one and got me excited about it. Using the vast resources from my paper route, I got my own and started my way into the hobby. I soon graduated to the Star Roamer (ooooh!). We had a neighborhood appliance repair shop and in the back, the guy had a ham station. He gave me my novice test and I became WN3FPJ.

My first station consisted of said Star Roamer and a KnightKit T-150A. Worked ok as I remember. I later upgraded the receiver to the R-100A.

Still have all the equipment, but am not sure of the condition of the Star Roamer. My brother got to it while I was in the Navy. It appears to be missing the large dial and probably some of the plug in coils. I hope to get it all working once I get the back of my basement finished for my shack. Sometimes I miss those days. Radio seemed more exciting then.

From ab4el.com Wed Jun 22 19:08:01 1994
From: Bill.Cohn@precision.chigate.com (Bill Cohn)
Subject: FLB

Subject: FLB

Usechnq3@ibmmail.Com wrote:

>Subject: FLB

>
>My FLB (first little boatanchor) was, ca. 1962, a Knight-Kit
>Span Master. Thing had two (count 'em, 2)tubes in a regenerative
>circuit, a titchy little bandspread dial, and reacted very
>vigorously to hand capacitance in a way which made running the thing
>a constant adventure.
>
>Anybody else out there in BA-land ever have one of these? Not
>something I'd recommend to any hamfest browser, but I do wonder if
>many of them ever got sold. As I recall the cost was around \$25 for
>the kit...

I built one in 1962 while in sixth grade. It didn't work right until I learned how to solder the next year. You are right about the hand effect on tuning. At least it had a power transformer. There cheaper model the Space Spanner was hot chassis.

I don't have the radio any more but I still have the original manual.

73 de N9MHT Bill

~ TLX v4.00 ~ My poor man's Collins is a Heathkit SB102

From ab4el.com Wed Jun 22 20:15:29 1994

From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>

Subject: Re: FLB

My first transmitter was a single 6V6 and a crystal. I don't think that it remains in the Grande Junque Boxe (At the homestead in New England), but I do have the hand-drawn schematic here in DC with me. Once a few of the more recent projects are done, I'll build a new version of that rig. Out of old parts, of course.

Later I home-brewed a handbook rig with two 1625's and a 6AG7 oscillator. That's still under the bench at the homestead. I made the front panel out of a "recycled" No Parking sign. Our street had never before needed parking control, why did it need it in 1960? I made the meter hole with a hammer and a cold chisel.

The first reciever I had was a borrowed military pre-war thing with a tiny window to see the dial through. There was a magnifying lens in the window, If I remember correctly. Later, I got a 3-6 mc ARC-5, and have that at the present QTH. I built the power supply on a tiny all-american-five radio chassis. The extra holes let the heat out from the B+ bleeder/divider underneath.

- Roy K1LKY/3 -

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4e1.com Wed Jun 22 21:34:37 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: FOR SALE: Racal RA-6790GM

RACAL LOVERS, ALERT!

----- Forwarded message begins here -----

>From: Dennis Gibbs <dennis@irissun2.fp.trw.com>
22 Jun 1994 15:24:20 -0500
Newsgroups: rec.radio.swap
Subject: FOR SALE: Racal RA-6790GM

Greetings all,

I'm posting this for a friend that does not have net access.
Please contact him directly via phone. Thanks!

FOR SALE: Racal RA-6790/GM receiver, near mint condition.
Best offer. Call (703) 435-3060 between the hours of
6:00PM and 9:00PM EDT. Ask for Dennis Kimble.

Dennis Gibbs
dennis@irissun2.fp.trw.com

----- Forwarded message ends here -----

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4e1.com Wed Jun 22 13:17:12 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Free BC-611 Manuals

to: boatanchors@gnu.ai.mit.edu

Greetings, Troops!

I was going through my overstuffed file cabinet yesterday, trying to see
what can be weeded out.

Lo and behold, I found five original copies of the manual for the BC-611

series of handy talkies, circa 1945 or 46!

For those of you not familiar with it, the BC-611 is the boxy WW2 HT that EVERY vintage war movie showed at least once; for you James Cagney fans, it's the radio the Feds used in "White Heat" during the tank farm sequence ("Top of the World, Ma!"). BTW, "White Heat" also included a gorgeous SX-42, as well as a Zenith Trans Oceanic which got scraped (ARGH!!!) to make a VHF tracking beacon for the rear axle of Cody Jarret's tank truck.

Anyway, I'm willing to let go of four of the five BC-611 manuals for the cost of postage to the first four folks who ask for them.

73's,

Mr. T., K9TA

tom.a.adams@mail.admin.wisc.edu

From ab4el.com Thu Jun 23 15:41:59 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: RE: gullible hamfesters :-)

>The dials are a bit dingy
>though so I might try cleaning them with care. Any suggestions? A lit
>dab with a wet paper towel? (Obviously no Windex!!!!!!)

Leave the dials alone. A towel moistened with slightly soapy water did in the markings on my BC-348 dial. Fortunately, I was able to get a junker. Now, if I could only get the dial OUT of the junker....the pin won't budge.

73

Jim

From ab4el.com Wed Jun 22 11:35:28 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Ham Key Straight Key

Well, it looks a little like a Brown Bros, but it isn't. It's a Ham Key straight key, black wrinkle base, red Navy knob, red and black terminals.

\$30 shipped UPS in the US.

73

Jim, KR1S

jkearman@arrl.org

From ab4el.com Wed Jun 22 17:02:53 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Heard from Don Merz

Don says he's travelling on business and hasn't had a chance to look at those RS-8 rigs. He'll fill us in when he gets the chance.

73

Jim

From ab4el.com Thu Jun 23 15:15:37 1994
From: steve@hi.com (Steve Byan)
Subject: Re: Heath V7A VTVM

What's a V7A?

My IM-11 VTVM manual mentions an "R-V7A Circuit Board Repair Kit"; I'd guess the same circuit board was used in several VTVM models.

Anyway, the pots are (from left to right):
AC Calibration, DC Calibration, and AC Balance.

The DC calibration instructions are basically:

- 1) buy a fresh zinc-carbon C cell
- 2) set the meter to DC+ and 1.5V scale
- 3) measure the battery voltage; twiddle the DC Cal pot to center the meter pointer over the red dot above the top end of the 1.5V scale
- 4) use the battery to replace the one in the ohm-meter circuit

Regards,
-Steve

From ab4el.com Thu Jun 23 08:33:08 1994
From: JosephWP@aol.com
Subject: Re: HQ-215

Rick,

I received my HQ-215s yesterday! They are really beautiful sets. A great

addition to my boatanchor collection.

However there is one problem as I only have a partial copy of the manual. One of the rigs is in excellent condition. One is not (front panel problems, non-original knobs, rewired power input). Also there is no power cord for the really good set. I need to wire one up.

I am looking for a copy of the schematic. Any way that you (or someone else) can help me with this.

Joseph +

From ab4el.com Thu Jun 23 10:02:06 1994

From: loul@ihlpm.att.com (Louis M Leciejewski +1 708 979 3382)

Subject: Re: HQ-215

Joseph, the engineer that used to design the Hammarlund Receivers was Wayne Cordell (K4HCS). I am not sure what information he may have but he used to run "Blue Ridge Communications" and I will give you his address:

Wayne Cordell
Blue Ridge Communications
Route 4
Weaverville, NC 28787

(704)-645-7070

He may have an extra HQ-215 schematic or can get you a copy.

-Lou

WB9DKY

From ab4el.com Thu Jun 23 09:53:34 1994

From: don merz <71333.144@CompuServe.COM>

Subject: Ins, Outs, Receivers and Variacs

Thanks to all for putting up with bounced mail. I am traveling--a lot of bitchy out-n-back trips on USeless Air....

I really enjoyed the receiver discussion which I unfortunately had to digest rather quickly. I bought a 4B-line to replace my 940 about 6 months ago and I have never regretted it. I am very impressed with Drake tube gear. OTOH, I picked up an SPR4 a while back and was very disappointed. I think I had a bad one...and the owner graciously took it

back.

I like the SX-28 for AM listening. It has the glow that suits me best. Mine drifts considerably making SSB listening into a very interactive experience.

I just picked up an R-105A/ARR-15 that I want to bring up. Anyone have any docs or suggestions on this radio?

Also, let me reveal my ignorance about variacs. I have them and use them but I still am not clear as to whether they provide the same level of line isolation as an isolation transformer. Do variacs protect from line variations or not? To be used with a surge protector...or in place of one?

Thanks...this is one hell of a good group.

From ab4el.com Thu Jun 23 10:33:17 1994
From: mallick@ausable.crd.ge.com (John Mallick)
Subject: Re: Ins, Outs, Receivers and Variacs

Don,

"Variacs" (tm) and the like are variable auto-transformers, so they do not provide any isolation from the line like a two winding transformer would. Putting an isolation transformer in line with the variac would give you the isolation you want.

73,

John WA1HNL

From ab4el.com Wed Jun 22 20:16:16 1994
From: janderson@polycom.com
Subject: Looking for manuals

I'm looking for manuals for an HP Spectrum Analyzer - can anyone help?

HP 141T Display Unit.
HP 8553B 0-110 MHz RF Plug-in.
HP 8552B IF Section.

Thanks,

Jeff, WA6AHL

From ab4el.com Wed Jun 22 11:29:56 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: Re: Manuals

On Tue, 21 Jun 1994 16:09:05 -0400,
Doug Snowden <drs@ccd.harris.com> wrote:

>It would be nice if someone with the knowledge would post
>a summary of places that sell used or new manuals for
>boatanchors.

Here follows my unedited "SOURCES" file, gethered from many posts
on cyberspace. It includes sources for hi fi, musician's amplifiers,
tubes, rf parts, etc. Thanks to any who recognize parts of it.

PLEASE SEND EDITS AND ADDITIONS TO ME - I'LL EDIT AND RE-POST.

Here is a small list of tube dealers, which I have compiled. Many of the
American firms listed are gov't/military surplus dealers, but even those may
have some useful tubes. I have not done business with many of these, but many
of them are certainly worth trying.

Here it comes:

USA:

FALA Electronics
PO Box 1376-2
Milwaukee,WI 53201 (Send SASE for a list.)

Antique Electronic Supply
6221 S.Maple Avenue
Tempe,AZ 85283 (A favorite tube source. Over 3000 tube types in
(602)820-5411 stock. Also transformers, sockets and other parts.
(602)820-4643 Fax Send \$2.00 for a catalog, or call, they might be free.)

Don Diers
4276 North 50th Street #MC5 (Mostly old radio tubes, used or NOS. Some are
Milwaukee,WI 53216-1313 available only in small quantities, but if you
are looking for an old tube, you might find it
here. He also sells misc. parts. \$2.00 for a
catalog, \$3.00 foreign.

Fair Radio Sales (Lotsa military surplus. Rare tubes can be found
PO Box 1105 here. Also a source for transformers, etc.)

1016 East Eureka Street
Lima, OH 45802
(419) 227-6573 or (419) 223-2196 VOICE
(419) 227-1313 24-HOUR FAX

Surplus Sales of Nebraska
1502 Jones Street
Omaha, Nebraska 68102-3112

402-346-4750

Kirby Tubes (Send large SASE for list.)
298 W. Carmel Drive
Carmel, IN 46032

PEM Tubes
7392 French Rd.
Sacramento, CA 95828
(916) 383-9107

New Sensor Corporation (Don't know if they're still in business, but
245 East 63rd Street they used to have many Eastern tubes and they
Suite 526 offered matched multiples and burn-in on
New York, NY 10021 output tubes.)

EF Electronics
Box 326
Aurora, IL 60506 (Free catalog on request.)

DNF
6690 7 Mile Rd.
South Lyon, MI 48178 (Over 1000 tube types. Send SASE for list.)

ARS Electronics (Offer matched multiples and SQ selected tubes
PO Box 7327 for many popular audio types.)
7110 De Celis Place
Van Nuys, CA 91409
(818) 997-6279

Mike Forman (A "well-known" west coast tube dealer.)
1472 MacArthur Blvd.,
Oakland, CA 94602
510-530-8840

UK:

Billington Export Ltd.
Unit 1E, Gillmans Industrial Estate
Billingshurst, Sussex
RH14 9EZ

E A Sowter, P O Box 36, Ipswich, IP1 2EL, United Kingdom,
Telephone +44 473 252794, Fax +44 473 236188.
Quoting from their advert they offer "Complete design and manufacturing
service" and a standard range of "50 output transformers, 70 power
transformers and 30 chokes" as well as custom design and build.

SCANDINAVIA

Elektronik Special Sdr. Ringgade 85 DK-8000 Aarhus C DENMARK (+45) 86 11 50 42	(EVERYTHING for the tube amp builder, including Tamura transformers and all sorts of goodies!!)
--	--

Demostenes N-5850 BALESTRAND NORWAY	(About 5700 tube types available. THE source if you live in Norway. Will get almost any tube.)
---	---

I hope this list can be of help to some of you. If anybody knows of good
sources not on my list, please let me know.

Angela Instruments 10830 Guilford Rd., Suite 309 Annapolis Junction, MD 20701 301-725-0451 phone 301-776-2892 fax	they carry a many vintage items and parts. Catalog costs \$5. Some tubes available.
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Audio Trading Times P.O. Box 27 Conover, WI 51519 415-479-3103 phone 415-479-1917 fax	much like AudioMart I guess.
---	------------------------------

BWS Consulting 5609 N. 23rd St. Arlington, VA 22405 703-536-3910	Carry eico, dynaco, sherwood, etc + many vintage parts (tubes, caps, etc)
---	--

Vintage Tube Services 616-454-3467	mostly carries N.O.S. Telefunken, RCA red-plate, Amperex, etc. tubes
---------------------------------------	---

that are rather pricy... but may
have some gear for sale....maybe.

Total Audio
4839 Merriam Drive
Overland Park, KS 66203
913-362-3762 phone
913-722-3614 fax

Carry vintage parts, inc. speakers,
but also some amps too.

PARTS-----
for those interested in modifications and/or DIY, here are places:

Welborne Labs
P.O. Box 260198
Littleton, CO 80126

catalog cost \$10. 100 pgs+
kits (w/ schematic printed!),parts,etc

Antique Electronic Supply
P.O. Box 27468
Tempe, AZ 85285-7468
602-820-5411 phone
602-820-4643 fax

where I get most of my tubes...

Handmade Electronics
1825 Roth Avenue
Allentown, PA 18104

Golden dragon tubes, Cardas, Kimber-
caps,etc. Catalog : 3 29 cent stamps
or 3 IRCs.

Audio Electronic Supply
111A Woodwinds Industrial Court
Cary, NC 27511
919-460-6461 phone
919-460-3828 fax

Carry almost everyting related to tube
amplification...transformers, caps,
tubes, pots, etc, etc. They also sell
CARY output - iron.

Triode Electronics
Box 578751
Chicago, IL 60618
312-871-7459
312-871-7938 fax

tubes, caps, some transformers.
no catalog... phone.

Michael Percy
Box 526
Inverness, CA 94937
415-669-7181 phone
415-669-7558 fax

many Audiophile quality parts.

Old Colony Sound Lab
PO Box 243
Peterborough, NH 03458

603 924-6371 or 6526 (phone)
603 924-9467 (fax)

A good source for old Tektronix and HP manuals is Ed Matsuda, P.O. Box 390613, San Diego, CA 92149, (619) 479-0225. he has the original manuals for a huge array of equipment from the 60's 70's and 80's.

Ed Matsuda
Test Equipment Manuals Fax: (619) 479-1670
P.O. Box 390613 Phone: (619) 479-0225
San Diego, CA 92149

Other source for radio manuals are:

Mil-Com
Ask for Kevin
1 904 282 7277

Out of print Tektronix manuals may sometimes be had from:

Deanne Kidd
27270 Ladd Hill Rd.
Sherwood, OR 97140

Mr. Kidd is a retired Tek engineer. He does not represent Tektronix.

Quaker Electronics/SURPLUS AL
P. O. Box 215
Hunlock Creek, PA 18621
717-256-3749

Al Yascavage, Sr., W3UGD, Veteran, D-Day 1944.
Tie Wraps, Mil Tech Manuals, Back Issue Nuts & Volts, Crystals, Parts,
More.. Just ask!!

Mike Consalvo Manuals
7218 Roanne Dr.
Oxon Hill, MD 20745
(No phone. He won't deal by phone.)

I ran into a guy that said he has 100's of thousands of manuals for all types of test equipment in stock. Prices are in the \$10-\$15 area. They also

buy manuals. Manuals include : HP, Tektronix, Genrad, Fluke, Wavetek, Heathkit, EICO, Keithley, Simpson, Triplett, Dumont, Systron-Donner, Hickock, plus 100's of others. Visa/MC accepted.

Manuals Plus
PO Box 937
Spanaway, Wa 98387-0937
(206) 531-8031
(206) 536-1121 (fax)

8:30 AM to 4:00 PM Pacific Time, Monday thru Friday.

>From: "Michael S. LaFevre" <V5306E@VM.TEMPLE.EDU>

I own a company called Peerless/MagneQuest. We build by hand output transformers for both single-ended and push-pull amplifiers and have been very active in the DIY scene. I have written several articles for Sound Practices magazine and was the organizer for the single-ended symposium in Phila held March of this year. It would seem appropriate that my company should be listed as I also supply transformers to a number of custom builders like Wavelength Audio, Fi, Handmade Electronics, Cary Audio, Noriyasu Komuro, Purest Sound Systems and etc.

Our address is 1404 East Bristol Street Phila., Pa. 19124
Our phone number is 215-288-4816.
SASE for complete spec sheets.

Glass Audio is at:
305 Union Street
PO box 176
Peterborough, NH, 03458-0176
USA
(603) 924-9464

I've subscribed since the first issue. It is essential reading (get several years worth of back issues when you subscribe), along with Sound Practices, which is at:
PO Box 180562
Austin, TX, 78718-0562
(512) 339-6229

Both magazines are essential reading for the serious tube constructor, and are considered references by those who do that kind of thing for a living.

--

Lynn T. Olson
One of the 20-odd Editors for Positive Feedback,
The Journal of the Oregon Triode Society

Mil-spec Communications repair, sell, refurbish mil comm gear. (May 94)
P.O. Box 633
Englewood, FL 34295-0633
(813) 474-6818

Small Parts Inc.
13980 N.W. 58th Court, P. O. Box 4650
Miami Lakes, FL 33014-0650
Tel: 305-557-8222
Fax: 800-423-9009

Electric Radio (monthly)
Box 57
Hesperus, CO 81326.
Phone/FAX 303-247-4935.

US Rates: \$28 magazine rate, \$38 First Class

Cramolin, the boat peoples' friend, comes from Caig Labs, San Diego, CA, 619-451-1799. They still make the original R100 and B100, also a newer version with more "environmentally friendly" solvents called DeoxIT and PreservIT.

Motorola parts ID: 1-708-538-0021
these folks will try to figure out what you have or want and give you a valid part number for it.

Then call:

Motorola parts ordering: 1-800-422-4210
these folks can tell you if a manual or parts are available and order it for you. They must have a valid part number to work with.

HP info: (800) 752-0900. They will give you the number for ordering manuals. They take credit cards.

Ham Trader Yellow Sheets
P. O. Box 15142

Seattle, WA 98115

24 issues (1 year) \$16.50

50 issues \$32

75 issues \$48

HTYS is a separate publication. It consists mostly of for-sale/want ads from individuals and some dealers. There may be one or two large display ads.

>I lost the phone number and address of the tube seller who sells
>tubes in FootHill and Livermore.

I believe you speak of...

Cliff Kurtz N6ZU

6727 N. Pershing Ave.

Stockton, CA 95207

(209)477-1235

Hollow State Newsletter

Ralph Sanserino

12072 Elk Blvd

Riverside, CA 92505-3835

(From Henry Pasternak:)

Here's a useful list of names and addresses:

* Audio Electronic Supply

111A Woodwinds Industrial Court

Cary, NC 27511

919 460-6461 (phone)

919 460-3828 (fax)

Parts arm of Cary Audio. Good source of hardware, capacitors, and magnetics for tube amps. Very fast turn-around on semi-custom power transformers.

* Welborne Labs

971 E. Garden Dr.

P.O. Box 260198

Littleton, CO 80126-0198

303 470-6585 (phone)

303 791-7856 (fax)

Large selection of audiophile parts for solid-state and tube equipment. Excellent kit designs. Very large catalog includes many schematics and board layouts (\$10).

- * Sound Values
185 N. Yale Avenue
Columbus, Ohio 43222

614 279-2383

Sell several low-cost tube amp and preamp kits. New and surplus Dynaco/Hafler gear. Ugly but cheap solid-state amp kits. Some parts, including ST-70 replica transformers. Not much left from the old Dynaco parts buyout.

- * Audio by Van Alstine
2202 River Hills Drive
Burnsville, MN 55337

612 890-3517

Solid-state amps and preamps, to build into old Dynaco gear, or in new chassis. Dynaco ST-70 upgrade. Publishes newsletter.

- * Angela Instruments
10830 Guilford Rd. Suite 309
Annapolis Junction, MD 20701

301 725-0451 (phone)
301 725-8823 (fax)

Large, funky catalog of vintage guitar and audio gear (\$5). Good source of tubes, old articles, transformers, tube-related junk. Some parts, including Audio Note stuff.

- * Sonic Frontiers
760 Pacific Rd. Unit #19
Oakville, Ontario L6L 6M5

416 847-3245 (phone)
416 847-5471 (fax)

Canadian supplier of audiophile parts, especially tube stuff. Rather pricey. Also manufactures line of commercial tube gear.

- * Harrington and King
5655 W. Fillmore St.

Chicago, IL 60644

312 626-1800

Manufacturer of perforated metal for electrostatic loudspeakers.

* Roger Sanders
R1, Box 125
Halfway, OR 97834

503 742-7640

Sells DuPont mylar film and matching transformers for ESLs. See
ESL construction series in 1990 "Speaker Builder".

* Barry Waldron
1847 Country Club Dr.
Placerville, CA 95667

Send SASE for information on informal international ESL club.

* Old Colony Sound Lab
PO Box 243
Peterborough, NH 03458

603 924-6371 or 6526 (phone)
603 924-9467 (fax)

Parts and book arm of Audio Amateur Publications. Their books
are, in my opinion, much better than their kits. You can also
call to find out about "Audio Amateur", "Speaker Builder", and
"Glass Audio" magazines.

* Caddock Electronics
1717 Chicago Avenue
Riverside, CA 92507-2364

909 788-1700 (phone)
909 369-1151 (fax)

Manufacture high-precision film resistors. Willing to sell to
small-volume buyers. Very expensive in unit quantities.

* Triode Electronics
PO Box 578751
Chicago, IL 60657

312 871-7459 (phone)

312 871-7938 (fax)

Lots of new and surplus tube stuff. ST-70 conversion kit.

- * Handmade Electronics
1825 Roth Avenue
Allentown, PA 18104

215 432-5732 (phone, fax)

Tubes, caps, resistors, wire. Send three stamps and SASE for catalog. Call 7PM - 10PM, Monday - Friday. Fax 24 hours.

- * MagneQuest
1404 E. Bristol St.
Philadelphia, PA 19124

215 288-4816 (phone, fax)

Hand-made output transformers of very high quality and price. Noted for single-ended designs and Peerless replicas.

- * Fi
30 Watts Street
New York, NY 10013

Specializes in triode amplifiers. For \$1 a page, get a copy of their 25-page, so-so tube audio primer for the hobbyist.

- * Michael Percy
Box 256
Inverness, CA 94937

415 669-7181 (phone)
415 669-7558 (fax)

Large selection of audiophile parts. Free catalog.

- * Sound Practices Magazine
Box 19302
Alexandria, VA 22320

703 836-4382 (phone, fax)

This is an old address, but you can probably get a forwarding message if you call.

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4e1.com Wed Jun 22 12:33:42 1994
From: Joe Reda/HQ/3Com <Joe_Reda/HQ/3Com@3mail.3Com.COM>
Subject: Re: Manuals

I'll start! A great source for Hallicrafters manual (this info is current as of about a year ago):

Ardco Electronics
PO Box 95
Berwyn, IL 60402

Owned and operated by the son of a former Halli engineer. The copies I have received from them have always been really good, sometimes better than HI Manuals.

Speaking of which,

HI Manuals
PO Box 802
Council Bluffs, IA 51502

The only rub with HI is that you have to send them \$2 for their catalog BEFORE you can order any manuals, and you don't get that \$2 back. IMHO, this practice was probably OK in the days when they were the only shop around, but now . . .

73. Joe KC6TXU

----- Previous Message -----

To:
cc:
>From: drs @ ccd.harris.com (Doug Snowden) @ UGATE
Date: Tuesday June 21, 1994 04:09 PM
Subject: Manuals

It would be nice if someone with the knowledge would post a summary of places that sell used or new manuals for boatanchors. Not many I suspect, but who knows, not me.

Doug, N4IJ

who is still checking garage sales each weekend for surprises.
So far nada.

From ab4el.com Wed Jun 22 12:57:00 1994
From: Nick England <nick@cs.unc.edu>
Subject: Mercury Vapor rectifiers

Thanks to several BA-ites who responded to questions on care and feeding of Mercury Vapor rectifiers. Good info and it spurred me to dig into an old RCA transmitting tube manual. Here's what I found:

MV rectifiers should not be shaken, jarred, inverted, or laid on their sides, *even momentarily* according to RCA. It is very important that mercury not be allowed to contact any of the other elements. However if this does happen, the tube may be OK if it is reconditioned as follows: (the pre-heating is what several BA-ites recommended)

Pre-heat the tube at normal filament voltage for at least 30 minutes - with no anode voltage. This will reheat the mercury wherever it may have gotten to. After removing filament voltage the mercury should re-condense in a pool at the bottom of the bulb.

Now perform the following conditioning procedure to flash out any residual MV on the bulb walls or near the element seals.

- again at normal filament voltage, wait at least 30 seconds for the tube to heat fully (always do this as the standard operating delay), then apply 1/6 the normal plate voltage for 5 minutes, then gradually increase plate voltage to full over a 30 minute period. If a flashover occurs at any time, reduce the plate voltage to kill the flash, hold this voltage for a few minutes, and then resume the gradual increase.

Nick "healthy blue glow" England KD4CPL
nick@cs.unc.edu

From ab4el.com Wed Jun 22 07:01:39 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: NC-98

ul> From: ulowell!YFN.YSU.EDU!aj092 (Kenneth V. Zichi)

ul> to tune, but I logged 40 countries with it before I "graduated" to

ul> real BAs like the NC-98 (I guess that is almost a canoe ancho
ul> really...) and my motly assortment that I still have on hand.

Well, another similarity between us! The NC-98 was also my first "real" shortwave receiver. I loved that thing, and used to watch that beautiful S-meter for hours. There was also an SWL version which had SWBC bands on the bandspread instead of the ham bands, but I've never seen one.

When I got the HRO-50 a year later, the NC-98 went on standby service until a cousin expressed an interest in ham radio and I lent the National to him. Last I heard from him, after he moved to FL, was he sent me a letter asking me (seriously) if I wanted to be on his 5-man crew of a flight to Mars using surplus rockets. For all I know, the '98 was onboard. Certainly I wasn't. (Yes, it probably does run in the family.)

Anyway, I've wanted to get another 98 since then. I saw a couple here and there, but the prices were wrong and the conditions were terrible. I saw one last year, owned by an old timer, marked "mint \$85" and it had been repainted flat grey! It also had stickers on the dial! Argh. I wanted to punch the guy for the nerve of calling THAT "mint."

I found an NC-98 last Fall at the Rochester NH flea for \$32. It was very dingy and there was something rattling around inside.... Spent several hours cleaning it up, a couple more restringing the main tuning dial cord without a manual, tested the tubes, and tried it out. IT WORKED! S-meter is a little weak but it did work and the cleaned-up radio brought back a lot of memories. All I need now is the metal bottom plate for it.

I saw an NC-88 for the first time this past Spring. Interesting....like the 98 but without the S-meter and one or two other features.

--Andy

... My vote for prettiest S-meter: National. Red 'n' yellow! (GPR-90 too.)

From ab4el.com Wed Jun 22 07:02:23 1994

From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)

Subject: R-388

RDK> From: ulowell!csemail.cropsci.ncsu.edu!rdkeys (R. D. Keys)

RDK> The calibration is good on both. The R390 is digital mechanical dial

RDK> while the R388 is linear analog mechanical dial. Both are very fine.

RDK> The R388 is much smoother tuning, while the R390 causes one to develop

RDK> what is akin to the ``Harley Leg'' of bikers --- ``Collins Wrist''.
RDK> The tuning on the R390 is very good, but very heavy and requires a lot
RDK> of wrist action to move around very much. An R388 is much easier to
RDK> move around in frequency.

I've never seen the innards of the 4:1 reduction knob that went on later 75A-4s. Would such a thing be mountable on an R-388? It seems to me it's CRYING out for such a thing! I used to admire my dad's 75A-4 for that reason....but I don't know how that knob is mounted, or how many holes need to be drilled in the front panel to attach it.

The A-4 reduction knobs, when you can find them, are \$100 and up. Joel Thurtell (I believe) makes the "Jupiter Superknob" which I think was originally \$149 in brass but may have dropped down to closer to \$100. I can't tell from the ads if his thing is just the knob, or the knob and associated gears and mounting plate. Anyone know for sure? For \$100 for a nice metal knob, I might consider attaching it to the 388.

--Andy

... Did the Johnson Desk Kilowatt come with clutter already installed?

From ab4el.com Wed Jun 22 09:04:44 1994
From: usechnq3@ibmmail.COM
Subject: R390 Manual Exchange

----- Mail item text follows -----

To: INTERNET--IBMMAIL Internet Communica

>From: JOHN A. HYATT,ECDR, 150A, (5574)

Subject: R390 Manual Exchange

I have a good-condition copy of TM 11-5820-357-20, Organizational Maintenance Manual, Radio Receiver R-390/URR (Dept. of the Army, 23 March 1961, 28pp).

Wish to exchange it for the corresponding R390A/URR Manual, which is TM 11-5820-358-20. Reply by e-mail to usechnq3@ibmmail.com if interested.

From ab4el.com Tue Jun 21 20:25:09 1994

From: lewisd@grassman.gvg.tek.com (Lewis Dobbins)
Subject: Re: RBB info

> From owner-boatanchors@gnu.ai.mit.edu Tue Jun 21 14:25:50 1994
> Date: Tue, 21 Jun 94 15:17:44 CDT
> From: David=Douglas%Sys=Mgmt%Sys=Hou@bangate.compaq.com
> Subject: RBB info
> To: boatanchors@gnu.ai.mit.edu
> Cc:
> Content-Length: 324
>
> Fellow BA's,
>
> With thanks to Steve W5EGP, I am now owned by a nice RCA RBB low band
> receiver (pun intended). I would like to chat with anyone else who has an
> RBB, obtain historical information on the RBB type anchors, and get a
> schematic. I also would like to know if anyone has a PS for the RBB.
>
> Thanks,
> David KA5MSL
>

I have a friend that has both RBB and RBC rigs and manuals. His name is John Eickhof. His phone number is 208-536-5308. This is the ACE Theatre in Wendell Idaho. He is on the road a lot and is hard to get a hold of. However, he is home now and for probably the next week. He lives at that number so it is valid and acceptable to call him from 9AM to 10PM 7 days a week. The best time to call is between 8 PM and 9 PM mountain time.

Tell him that Lew gave his name and number.

Lew

Lewis M. Dobbins
Grass Valley Group Inc.
Box 1114 M/S N4-2E
Grass Valley, CA
95945
WD6GJR

Test Engineer
Operations Engineering
Voice: 916-478-4064
Fax: 916-478-4194
E-Mail: lewisd@grassman.gvg.tek.com
VAX: Dobbins@gvg47

From ab4e1.com Wed Jun 22 00:50:54 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: re:manuals proposal

Hi John and cloners:
I have Ranger I (Do you want the assembly portion also-mine was a kit?)
and the matchbox 275. Send your mail address. To the group-
I have lotsa Hallicrafters rcvr and National, SP-600, Collins TMs(no
fun to copy-bound) DX-100.
Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4e1.com Wed Jun 22 15:54:13 1994
From: Scott_Johnson-AZAX60@email.sps.mot.com
Subject: RE>Cramolin info soon

Reply to: RE>Cramolin info soon
Cramolin Pricing:
R100L-2 (2oz.) \$38.50, ditto for B100L-2

Date: 6/22/94 11:50
To: Scott Johnson
>From: RMCP@tundra.alaska.edu@azbcsml
Mr-Received: by mta TUNDRA; Relayed; Wed, 22 Jun 1994 09:13:48 -0800
Mr-Received: by mta ACAD3A; Relayed; Wed, 22 Jun 1994 09:13:03 -0800
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
X400-Mts-Identifier: [;84319022604991/199465@TUNDRA]
Hop-Count: 2

Hi Fellow Degrungers-
Our hosts message router (MR. Talk as he is anthropomorphically
designated)has been out to lunch for the past five days. And I
think he is powered from Auroral flares Senator Stevens has
harnessed with a pork grant. Alaska is as always four hours
and several years behind the Real World. I am trying to catch up.
So, more info on Cramolin pricing (not good news)soon.
QTH: the breakdown lane of the info Superhighway w/ 4 flats,
no spare, on empty, no can. And the autopatch on the repeater is
down.
Thank you for your support...Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4e1.com Wed Jun 22 11:23:03 1994
From: Scott_Johnson-AZAX60@email.sps.mot.com
Subject: RE>RE- Boy's first book of

Reply to: RE>RE: Boy's first book of Electroni

Hey-

I would like to have a couple examples of the Raytheon CK-722 if anyone has any laying around.

Date: 6/22/94 07:18
To: Scott Johnson
>From: jkearman@arrl.org@azbcsml
Encoding: 14 TEXT
X-Mailer: Microsoft Mail V3.0

>From: KANAMAA%AMGATE%MATRXA
>To: boatanchors
>Subject: Boy's first book of Electronics
>Date: Tuesday, June 21, 1994 5:52PM

> I never could find a CK172 (?).

This is really VSS stuff, but I think Mike means the CK722.

73

Jim

From ab4e1.com Wed Jun 22 16:29:05 1994
From: "Kenan, Larry" <larryk@frick.sandiegoca.NCR.COM>
Subject: Re: Reconditioning Mercury Vapor rectifiers

>RCA transmitting tube manual-

>MV rectifiers should not be shaken, jarred, inverted, or laid on their
>sides, *even momentarily* according to RCA. It is very important that
>mercury not be allowed to contact any of the other elements. However if
>this does happen, the tube may be OK if it is reconditioned as follows:

>Pre-heat the tube at normal filament voltage for at least 30 minutes -
>with no anode voltage. This will reheat the mercury wherever it may
>have gotten to. After removing filament voltage the mercury should
>re-condense in a pool at the bottom of the bulb.
>Now perform the following conditioning procedure to flash out any residual
>MV on the bulb walls or near the element seals.
>- again at normal filament voltage, wait at least 30 seconds for the tube to
>heat fully (always do this as the standard operating delay), then apply 1/6
>the normal plate voltage for 5 minutes, then gradually increase plate voltage
>to full over a 30 minute period. If a flashover occurs at any time, reduce the
>plate voltage to kill the flash, hold this voltage for a few minutes,
>and then resume the gradual increase.

>Nick "healthy blue glow" England KD4CPL
>nick@cs.unc.edu

When I was repairing my Johnson Valiant a few weeks ago I had to go through this reconditioning process on a replacement 866A that I purchased. I temporarily wired a variac into the primary of the plate supply transformer so that I could increase the plate voltage gradually.

It looks like a variac should be a standard piece of test equipment in the boatanchor shack.

Larry Kenan - KD6CKR

From ab4el.com Wed Jun 22 17:46:24 1994
Subject: Re: Reconditioning Mercury Vapor rectifiers
From: R.G. Keen <keen@austin.ibm.com>

>It looks like a variac should be a standard piece of test equipment in the
>boatanchor shack.

Correction: a variac should be standard equipment. Period.

R.G.

From ab4el.com Wed Jun 22 17:56:45 1994
From: dgf@netcom.com (David Feldman)
Subject: Re: Reconditioning Mercury Vapor rectifiers

>From owner-boatanchors@gnu.ai.mit.edu Wed Jun 22 14:23:34 1994
>Return-Path: <owner-boatanchors@gnu.ai.mit.edu>
>Received: from geech.gnu.ai.mit.edu by mail.netcom.com (8.6.8.1/Netcom)
> id OAA28611; Wed, 22 Jun 1994 14:23:24 -0700

>Received: by geech.gnu.ai.mit.edu (5.65/4.0)
> id <AA25187@geech.gnu.ai.mit.edu>; Wed, 22 Jun 94 17:16:30 -0400
>Received: from netmail.austin.ibm.com by geech.gnu.ai.mit.edu (5.65/4.0) with SMTP
> id <AA25181@geech.gnu.ai.mit.edu>; Wed, 22 Jun 94 17:16:25 -0400
>Received: from keen.austin.ibm.com by netmail.austin.ibm.com (AIX 3.1/UCB 5.61/gw.0.7)
> for boatanchors@gnu.ai.mit.edu at gnu.ai.mit.edu
> id AA124566; Wed, 22 Jun 94 16:16:08 -0500
>Received: by keen.austin.ibm.com (AIX 3.2/UCB 5.64/4.03-client-2.4)
> for boatanchors@gnu.ai.mit.edu at austin.ibm.com; id AA11523; Wed, 22 Jun 1994 16:15:35 -0500
>Message-Id: <9406222115.AA11523@keen.austin.ibm.com>
>To: "Kenan, Larry" <larryk@frick.sandiegoca.NCR.COM>
>Cc: boatanchors@gnu.ai.mit.edu, keen@austin.ibm.com
>Subject: Re: Reconditioning Mercury Vapor rectifiers
>In-Reply-To: (Your message of Wed, 22 Jun 94 11:39:53 PST.)
> <9405227723.AA772310393@frick.sandiegoca.ncr.com>
>Date: Wed, 22 Jun 94 16:15:35 -0600
>From: "R.G. Keen" <keen@austin.ibm.com>
>Status: R
>
>
>>It looks like a variac should be a standard piece of test equipment in the
>>boatanchor shack.
>
>Correction: a variac should be standard equipment. Period.
>
No, a variac should be issued to every third-grader. Period..

From ab4e1.com Thu Jun 23 10:00:09 1994
From: don merz <71333.144@CompuServe.COM>
Subject: RS6, TCS, mics

Okay after some delay, clarification on the RS6: These are COMPLETE sets with filter, but no docs. A friend says he may be able to get me the documentation so I may be useful with that too... Of the three sets, two are sold including the sealed one.

The TCS: Yes, these are Collins-made with Collins name plates. The TX and RX match--they're both TCS-12. The control box is used, but still quite nice. All other pieces are brand new. Sorry, no docs... \$450 each shipped to your door. Of the 3 sets, one is sold.

Also have 3 Sony ECM-370 top-quality audio recording mics (electret condenser circa 1983) with wind screen. As-new. \$59 each.

Now let's see....what time's my flight?...

From ab4e1.com Wed Jun 22 13:08:22 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: SP-600 Capacitor Kits - Bulk Buy.

SP-600 owners, AWAKEN!

I'm planning to buy a big lot of capacitors to re-cap the SP-600.
The goal is to get Sprague Orange Drop 400 volt caps, and also
replacement tubular electrolytics, and make up a kit for each person
ordering.

I'm gathering prices, but early estimates place the cost between
\$23 and \$25 per kit, plus UPS.

Let me know if you're interested so I can go for the best price break.

-Roy K1LKY/3 -

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4e1.com Wed Jun 22 09:58:40 1994
From: Richard E Robinson <rerobins@uncc.edu>
Subject: RE: SPANMASTER

Lou,

Spanmasters and Space Spanners are beginning to get into the \$100 range for
clean working ones. I've seen dirty ones fetch \$40 to \$50. Knight nostalgia
is beginning to catch on.

Rick kf4ar

From ab4e1.com Thu Jun 23 10:04:13 1994
From: lou1@ihlpm.att.com (Louis M Leciejewski +1 708 979 3382)
Subject: RE: SPANMASTER

Thanks Rick for the information on KNIGHT SPANMASTER value as a little
Boat Anchor. My SPANMASTER is virtually mint plus it has the original
manual. I was thinking of selling it at one time.

-Lou
WB9DKY

From ab4el.com Wed Jun 22 14:00:35 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: SR-46, SR-42, VFO manuals

to: boatanchors@gnu.ai.mit.edu

Howdy.

Also digging in the file cabinet I found manuals for Hallicrafter's VHF rigs SR-46, SR-42, and the matching VFO (I don't remember the designation offhand).

That jogged my memory; last week somebody here needed one of these, but I deleted the message.

If this one is still a biggie on someone's hit list, send me a message and we'll make you a Xerox.

73's,

Mr. T. K9TA
tom.a.adams@mail.admin.wisc.edu

From ab4el.com Wed Jun 22 17:07:00 1994
From: ryme@wpsmtp.bloomu.edu
Subject: SWL QSL -Forwarded

Forwarded Mail received from: John Rymell

Date: 6/22/1994 4:11 pm (Wednesday)
From: John Rymell
To: in: boatanchors@gnu.ai.mit.edu
Subject: SWL QSL

Well, young Bob, glad to hear from you!

I hope you enjoyed my QSO with N6KR as much as I did. SW Listening on the Internet (SWL-Net) is a fine hobby, and a great way to enter the exciting world of Ham Radio Internet (HamNet).

Concerning your saving of money for computer, well, there are some great bargains to be found at yard sales, fleamarkets, and swapfests. But, be sure to take along someone who really knows computers. Their advice could save you some costly grief.

If you are interested, send me your home address, and I will pass along designs for simple one chip QRP calculators. Practice with these low power adding machines will help your build larger, faster, and more powerful devices that will match the retail home computers! I will be glad to mail you a confirmation QSL. However, I do require that you verify the exact frequency and time of the N6KR/N3PFF

transmission. Please forward this information as soon as possible.
So, let me know if I can help you get a homebrew system on the 'Net.
That is what we Elmers do best.
73, hope to see you on the 'Net,
John
N3PFF

From ab4el.com Wed Jun 22 18:34:20 1994
From: ryme@wpsmtp.bloomu.edu
Subject: SWL QSL -Forwarded

Forwarded Mail received from: John Rymell

Date: 6/22/1994 4:11 pm (Wednesday)
From: John Rymell
To: in: boatachors@gnu.ai.mit.edu
Subject: SWL QSL

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That is what we Elmers do best.
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John
N3PFF

From ab4el.com Wed Jun 22 17:26:18 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: RE: SWL QSL -Forwarded

Why is this appearing on "boatanchors"?

>From: ryme
To: boatanchors
Subject: SWL QSL -Forwarded
Date: Wednesday, June 22, 1994 4:31PM

Forwarded Mail received from: John Rymell

Date: 6/22/1994 4:11 pm (Wednesday)
From: John Rymell
To: in: boatanchors@gnu.ai.mit.edu
Subject: SWL QSL

Well, young Bob, glad to hear from you! <etc>

From ab4el.com Wed Jun 22 07:01:29 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Top Ten Tube Receivers

ul> From: "Mark Glusker" <ulowell!mechcad3.esd.sgi.com!glusk>

ul> On 3, I favor the earlier HRO's for their simplicity. There was one
ul> at a recent hamfest that I should have snapped up.

I've never used an earlier HRO myself. My dad is a broadcast set collector but he does have a couple -- HRO-5 perhaps. Maybe I'll get a demo sometime. I gave him a subscription to Electric Radio for his 74th birthday. Maybe now he'll put the 75A-4 back on the operating table!
<grin>

ul> On 9, I would not rank the SW-4 as high as the others on this list. I
ul> would substitute the RCA AR-88 here. I know this is near blasphemy to
ul> a Drake aficionado such as yourself.

I put the SW-4 up there more as an afterthought. I was honestly running out of steam! Blasphemy? Heck no -- everyone has different tastes and thank goodness there's plenty of variety in boatanchor land. The AR-88 does seem like a nice one, though rare in the USA. (E/R did a spot on it a few years ago.) I might have listed the National NC-183D as easily, I suppose. Finding ten "classics" isn't as easy as I thought!

I'm glad this sparked some conversation. It was originally for someone in the Fidonet SHORTWAVE echo asking about what are the top ten tube rigs. Perhaps some of you should get on a Fido BBS and post!

--Andy

... 3/24/69 - H. Ross Perot tries to take over Collins Radio Company!

From ab4el.com Wed Jun 22 07:01:32 1994

From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)

Subject: Top Ten Tube Receivers

LD> From: ulowell!grassman.gvg.tek.com!lewisd (Lewis Dobbins)

> 6) Technical Materiel Corporation GPR-90. A bit hard to find and
> prices seem high right now. This is a nice receiver from the
> 50s. General coverage plus bandspread on the ham bands, nice
> audio. My best friend heard the Falkland Islands Broadcasting
> Station when they were on 2370 with 1 kW on the GPR-90.

LD> I really think that you should move this one a little higher up on
LD> your list. This another of the finest receivers in the world. I have
LD> used (have or had) everything on your list at one time or another. I
LD> still have a GPR-90 with the TMC sidband adapter and use it with the
LD> rest of my TMC HF station (GSB-1, etc). I agree that this has the best
LD> audio too but then again I process all of the audio I use.

You must have missed my short intro where I said the list
wasn't in any particular order. Besides, the receivers are better for
some uses than others. The HRO-50 would be much better for AM ham or
broadcast band listening than the Drake R-4, perhaps. The R-4 would be
much better than the HRO for sideband. It's all in what you want to use
it for.

I liked the GPR-90 the few times that I used it over at my
friend's place. Having it open to clean the bandswitch for him showed me
that the construction on the thing is very solid. This was his dad's
main ham receiver after he decided to step up from an SX-100. My friend
doesn't have the SSB adapter -- is yours the GSB tabletop model? I'd
like to find one for him someday. I wouldn't mind a GPR-90 or variant
myself, either, but the prices seem to be climbing awfully fast. They
seem to be sought after by AM hams.

--Andy

P.S. -- oh, and one of my admiration points for the GPR is that the
S-meter could be a twin of the famous National one! <grin>

... ..MY AM kilowatt can beat up YOUR AM kilowatt!

From ab4el.com Thu Jun 23 07:45:30 1994

From: Jeffrey Herman <jeffrey@math.hawaii.edu>

Subject: tubes for sale

From ab4el.com Thu Jun 23 07:45:51 1994
From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: tubes for sale

Hi boys,
Here's two ads I yanked off of rec.radio.swap that might interest
some of you. Please respond the sellers, not me!

Jeff NH6IL

Receiving Tubes, American made, used:

\$1 EACH for tested, 50 cents if untested.:

0B2WA/6627, 0G3/85A2, 5R4GY/A/B, 5Y3GT, 6AH6, 6AK5/EF95, 6AK5W/5654,
6AL5/6EB5, 6AN5, 6AQ5A/6HG5, 6AR6, 6AS7G, 6AU5GT, 6AU6A/EF94, 6AU6WA/6136,
6AU7/A, 6BL8/6LN8, 6DJ8/ECC88, 6DQ6A/B, 6EA7/6EM7, 6KD8/6U8A, 6SJ7GT, 6V6,
6V6GT, 12AT7/ECC81, 12AU7WA/7730, 12AX7A, 807, 2C51W/5670, 5687, 6AL5W/5726,
5751, 12AU7A/5963, 6AQ5W/6005, 12AU7A/6189, 12AT7WA/6201, 6X4WA/6202,
0A2WA/6626, 0B2WA/6627...

\$3 EACH, tested:

6L6GC/5881

\$2 each, untested:

6DQ5, 7895 nuvistor...

-pat jorden
pat.jorden@amd.com

I have an original GE "classic" floor standing radio with EVERY
original part (down to the knobs). From what I understand, its a
top of the line model circa 1925-1932. It can pick up the typical
AM/FM/whatever bands as well as some others. It stands about 3
feet tall and has the classic wood shell with tweed.
I attempted to plug it in once (the plug is really shot), and although
some of the lamps lit, i couldn't see if the tubes did because they
are encased in a metal sheath and I didn't want to play around
with it.
I could not tell if the radio worked properly because the speaker
cone is torn.
This type of hobby is not up my alley. I would prefer selling it to

someone who is into this type of stuff and can appreciate it. Email me at floyd@mordor.com and I can get you more info like serial and model numbers, etc.

Thanks for your time

floyd

floyd@mordor.com

From ab4el.com Thu Jun 23 08:54:20 1994

From: Jeffrey Herman <jeffrey@math.hawaii.edu>

Subject: tubes for sale

From ab4el.com Thu Jun 23 14:33:59 1994

From: Jim Allen <jimallen@cup44ux.cup.hp.com>

Subject: unsubscribe

I will be going on vacation for an extended period and need to unsubscribe from the boatanchors. Please unsubscribe me ASAP. (Do I need to send this to a different address?).

Thanks

Jim

KC6VWV

From ab4el.com Wed Jun 22 18:01:02 1994

Subject: Variacs

From: R.G. Keen <keen@austin.ibm.com>

>>>It looks like a variac should be a standard piece of test equipment in the >>>boatanchor shack.

>>

>>Correction: a variac should be standard equipment. Period.

>>

>No, a variac should be issued to every third-grader. Period..

Implanted in infancy???

R.G.

----- End of Forwarded Message

From ab4el.com Wed Jun 22 18:11:38 1994

From: dgf@netcom.com (David Feldman)

Subject: Re: Variacs

>>>>It looks like a variac should be a standard piece of test equipment in the
>>>>boatanchor shack.

>>>

>>>Correction: a variac should be standard equipment. Period.

>>>

>>No, a variac should be issued to every third-grader. Period..

>

>Implanted in infancy???

>

We are borg. Prepare to be implanted. Resistance is futile. (sorry.....!)

From ab4e1.com Wed Jun 22 19:24:18 1994

From: lewisd@grassman.gvg.tek.com (Lewis Dobbins)

Subject: Re: Variacs

> From owner-boatanchors@gnu.ai.mit.edu Wed Jun 22 15:40:03 1994

> Date: Wed, 22 Jun 1994 14:40:46 -0700

> From: dgf@netcom.com (David Feldman)

> To: boatanchors@gnu.ai.mit.edu, keen@austin.ibm.com

> Subject: Re: Variacs

> Content-Length: 343

>

> >>>>It looks like a variac should be a standard piece of test equipment in the
the

> >>>>boatanchor shack.

> >>>

> >>>Correction: a variac should be standard equipment. Period.

> >>>

> >>No, a variac should be issued to every third-grader. Period..

> >

> >Implanted in infancy???

> >

> We are borg. Prepare to be implanted. Resistance is futile. (sorry.....!)

>

Yes, Dave you should be sorry! We did have a variac in third grade didn't we?

Lew

From ab4e1.com Wed Jun 22 07:01:40 1994

From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)

Subject: Yet more Drake

ul> From: Hugh D. Stegman <ulowell!red-eft.la.ca.us!driver8>

>[trouble frequency grazing with the R4's]

ul> Though you do learn to stick one finger on the outside of the Drake
ul> tuning knob, like an idler roller, and crank the thing frantically
ul> while peaking the preselector with the other hand. For your typical
ul> ham band segment, not a problem.

Hee hee hee....and I tend to think the scalloped feel of the
R-4/R-4A tuning knob is more comfortable for that kind of thing than the
knurled style of the B or C.

Can you still get knobs from Drake? I need a couple for the
R-4A, the small ones, preferably with the setscrew adjustment.

Also: my R-4 dial is blue, but I talked to a fellow on the phone
who claims his is not, and doesn't have the blue backing plastic. My
R-4A is rather yellowed, probably from sun or age, yet the blue backing
plastic looks fine. Any way to rejuvenate this, or how much does Drake
charge for a new VFO dial?

--Andy

... Any sufficiently advanced tube rig is indistinguishable from Xistors.